

We claim:

1 1. A device for placement within a mammal at a position near the stomach for the treatment
2 of obesity; said device comprising:

3 (a) at least two or more expandable devices; wherein said expandable devices are
4 sized and shaped such that when expanded said expandable devices decrease the
5 volume of the stomach;

6 (b) at least one or more filling tubes having an inlet and an outlet connected to each
7 of said expandable devices such that fluid can flow through said filling tubes to
8 inflate or deflate said expandable devices;

9 (c) an access device having an adjusting port connected to each of said filling tubes
10 for deflating and inflating said expandable devices; wherein said access device
11 is sized and shaped such that a tight seal is formed between said adjusting port
12 and said filling tube, and wherein said access device is sized and shaped such that
13 said access device may be placed subcutaneously near the antero-lateral
14 abdominal wall of the mammal; and

15 wherein:

16 (d) when a fluid carrier containing fluid is attached to said adjusting port, fluid may
17 be injected or withdrawn from said expandable devices; wherein as fluid is
18 injected into said expandable devices, said expandable devices expand to
19 decrease the volume of the stomach.

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1 2. A device as recited in Claim 1, wherein said expandable devices are placed at a pregastric
2 location anterior to the stomach body.

1 3. A device as recited in Claim 1, wherein said expandable devices are placed at a pregastric
2 location anterolateral to the stomach body.

1 4. A device as recited in Claim 1, wherein said expandable devices are placed at a
2 retrogastric location posterior to the stomach.

1 5. A device as recited in Claim 1, wherein said expandable devices are placed at a retrogastric
2 location posterolateral to the stomach body.

1 6. A device as recited in Claim 1, wherein at least two of said expandable devices are
2 spherical-shaped.

1 7. A device as recited in Claim 1, wherein at one least of said expandable devices is crescent-
2 shaped.

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1 8. A device as recited in Claim 1, wherein said device additionally comprises a subcutaneous
2 anchor sized and shaped such that said subcutaneous anchor anchors said expandable devices to
3 the antero-lateral abdominal wall of the mammal.

1 9. A device as recited in Claim 8, wherein said subcutaneous anchor is a distensible balloon.

1 10. A device as recited in Claim 8, wherein said subcutaneous anchor is a ring lock.

1 11. A device as recited in Claim 8, wherein said subcutaneous anchor is a distensible balloon.

1 12. A device as recited in Claim 1, wherein said fluid is selected from the group consisting of
2 CO₂, isotonic dextrose, and an isotonic saline.

1 13. A device as recited in Claim 1, wherein said fluid carrier is a hypodermic syringe.

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1 14. A device as recited in Claim 1, wherein said device additionally comprises one or more
2 intragastric anchors sized and shaped such that said intragastric fixators are inserted into the
3 stomach to bind said gastric expandable devices against the exterior surface of the stomach body;
4 wherein the number of said intragastric anchors corresponds to the number of said expandable
5 devices.

1 15. A device as recited in Claim 14, wherein said filling tubes additionally comprise at least
2 one intragastric access channel sized and shaped such that exterior and interior portions of the
3 stomach may be accessed said intragastric anchors.

1 16. A device as recited in Claim 14, wherein said intragastic anchors are collapsible, fixation
2 discs.

1 17. A method for promoting weight loss in a mammalian using a device as recited in Claim
2 1; said method comprising inserting the filling tubes containing expandable devices to a
3 predetermined position near the stomach body; partially inflating the expandable devices
4 sequentially with a fluid; withdrawing the filling tubes until each partially inflated gastric
5 expandable device contacts the abdominal wall; inflating the expandable devices to a volume
6 sufficient to compress the body of the stomach; cutting the filling tubes to an appropriate length;
7 attaching the inlets of each filling tube a corresponding adjusting port of the access device; placing
8 the access device at a subcutaneous location near the abdominal wall; and closing the skin with
9 sutures.

1 18. A method as recited in Claim 17, wherein said method additionally comprises placing a
2 subcutaneous fixator around the filling tubes at a subcutaneous location near the abdominal wall
3 and inflating the subcutaneous fixator with fluid to anchor the expandable devices and the access
4 device.

1 19. A method as recited in Claim 18, wherein the subcutaneous anchor is a distensible balloon.

1 20. A method as recited in Claim 18, wherein the subcutaneous anchor is a ring lock.

1 21. A method as recited in Claim 17, wherein said method additionally comprises placing one
2 or more intragastric anchors into the stomach to bind the expandable devices against the exterior
3 surface of the stomach body; wherein the number of intragastric anchors corresponds to the
4 number of expandable devices.

1 22. A method as recited in Claim 21, wherein the filling tubes additionally comprise at least
2 one intragastric access channel sized and shaped such that exterior and interior portions of the
3 stomach may be accessed by the intragastric anchors.

1 23. A method as recited in Claim 17, wherein the expandable devices are placed at a pregastric
2 location anterior to the stomach body.

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1 24. A method as recited in Claim 17, wherein the expandable devices are placed at a pregastric
2 location anterolateral to the stomach body.

1 25. A method as recited in Claim 17, wherein the expandable devices are placed at a
2 retrogastric location posterior to the stomach.

1 26. A method as recited in Claim 17, wherein the expandable devices are placed at a
2 retrogastric location posterolateral to the stomach body.

1 27. A method as recited in Claim 17, wherein at least two of the expandable devices are
2 spherical-shaped.

1 28. A method as recited in Claim 17, wherein at one least of the expandable devices is
2 crescent-shaped.

1 29. A method as recited in Claim 17, wherein the fluid is selected from the group consisting
2 of CO₂, isotonic dextrose, and an isotonic saline.

1 30. A method as recited in Claim 17, wherein the fluid carrier is a hypodermic syringe.